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February 2026

Trinity ITI

Question Paper

Duration: 60 Mins

Total Marks: 29

ID: ITISKILL6575AK

Student Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

1. Divide  $(20/31)/(15/62)$
- A)  $2(1/3)$                       B)  $2(3/2)$   
C)  $2(2/3)$                       D)  $2(4/3)$
2. What is the LCM of 12, 18, 6, 36?
- A) 42                              B) 18  
C) 36                              D) 12
3. A motor cycle tyre is sold for Rs 300/- what is the purchase price if 25% profit is added to it.
- A) Rs 260                      B) Rs 220  
C) Rs 200                      D) Rs 240
4. What is the length L2, if total length (L) is 2.75 metre and  $L1:L2 = 2:3$ ?
- A) 1.75 metre                      B) 1.25 metre  
C) 1.1 metre                      D) 1.65 metre
5. What is the square root of 529?
- A) 12                              B) 43  
C) 23                              D) 33
6. What is the decimal fraction of conversion of 18.5%?
- A) 0.165                      B) 0.175  
C) 0.185                      D) 0.195
7. What is the ratio of 4 kg to 800 grams?
- A) 02:04                      B) 04:08  
C) 08:04                      D) 05:01
8. What is the x value for  $x + 62 = 126$ ?
- A) 4                              B) 10  
C) 8                              D) 6
9. Simplify:  $(17.49 \times 5.2)/(6.5)$
- A) 13.89                      B) 13.69  
C) 13.99                      D) 13.79
10. What is the square root of decimal number 550.37?
- A) 22.46                      B) 21.26  
C) 23.46                      D) 22.26
11. How many millimetres are there in 1 inch?
- A) 25.4 mm                      B) 2.45 mm  
C) 24.5 mm                      D) 2.54 mm
12. How much is 8% of 40 kg?
- A) 5.2 kg                      B) 4.2 kg  
C) 2.2 kg                      D) 3.2 kg
13. What denotes letter M in MKS system?
- A) Meter                      B) Mile  
C) Millimeter                      D) Micron
14. What is the improper fraction for the given mixed fraction  $7 \frac{3}{7}$ ?
- A)  $\frac{7}{28}$                       B)  $\frac{7}{52}$   
C)  $\frac{28}{7}$                       D)  $\frac{52}{7}$
15. What is the HCF of 18, 42, 24?
- A) 18                              B) 24  
C) 6                              D) 2
16. Convert decimal 0.000659 to fraction?
- A)  $(659/1000000)$                       B)  $(659/10000)$   
C)  $(659/1000)$                       D)  $(659/100000)$
17. What are fundamental units?
- A) Length, Mass, Time                      B) Length, Mass, Volume  
C) Length, Mass, Area                      D) Length, Pressure, Volume
18. What is the length of each part is a copper wire of 225 metre long is cut into 900 equal parts?
- A) 0.25 metre                      B) 0.28 metre  
C) 0.23 metre                      D) 0.29 metre
19. What will be the rpm of smaller gear if a 180 mm dia meshes with 60 mm dia gear and the bigger gear makes 60 rpm?

- A) 160 rpm
- C) 180 rpm

- B) 140 rpm
- D) 120 rpm

C) Cu 92%

D) Cu 94%

20. Simplify:  $(3/4) + (2/5) - (5/20)$

- A) (12/10)
- C) (9/10)

- B) (3/10)
- D) (13/10)

21. How many days a mechanic takes to assemble 64 machines if he assembles 8 machines in 3 days?

- A) 20 days
- C) 26 days

- B) 24 days
- D) 22 days

22. Convert 52% into fraction?

- A) (9/25)
- C) (13/25)

- B) (17/25)
- D) (11/25)

23. What percentage of 80 is 20?

- A) 0.4
- C) 0.25

- B) 0.2
- D) 0.8

24. What is the percentage of copper if the casting weight of copper 42.3 kg and tin weight 2.7 kg?

A) Cu 98%

B) Cu 96%

25. Convert 0.456 decimal fraction into percentage?

- A) 45.6
- C) 0.0456

- B) 0.000456
- D) 0.456

26. What are the two classifications of system of units?

- A) Metric and International
- C) Fundamental and derived
- B) British and Metric
- D) Gravitational and non-gravitational

27. What is the definition of ratio?

- A) Equality between two ratios
- C) Inequality between two ratios
- B) Relation of two quantities of the same kind
- D) Relation of two quantities of the different kind

28. What is the square root of 0.017?

- A) 0.000001
- C) 0.00001

- B) 0.001
- D) 0.13

29. What is the product of  $0.003 \times 0.5$ ?

- A) 0.15
- C) 0.00015

- B) 0.0015
- D) 0.015